

Associate Prof Sr Dr NUR AZFAHANI AHMAD

Associate Professor of UiTM Perak
Green Campus Coordinator of UiTM Perak
Green Campus Coordinator of UiTM Green Centre (UGC)
Registered Building Surveyor of RISM (MyRBS)
Member of Green Safe Cities Research Group (RG) UiTM – Tier 4



Address:

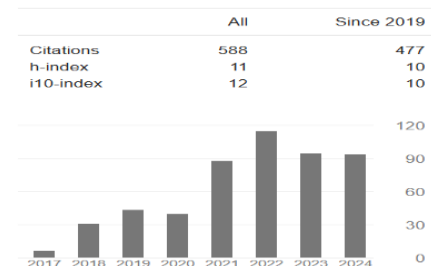
Program of Building Surveying (AP119/AP229),
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 32610, Seri Iskandar Campus,
 Bandar Seri Iskandar, Perak

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FIELD OF RESEARCH:

Renewable Energy with a focus on: Solar Energy, Photovoltaic (PV)
Green Building Adoption with a focus on: Energy Efficiency, Energy Audit, Energy Management, Liveable Cities
Sustainable Lifestyles with a focus on: Building Performance, Community-based Approach, Lighting Strategies
 Efficiency, Ventilation and Passive Cooling Approaches

	All	Since 2019
Citations (Google Scholar)	588	477
h-index	11	10
i10-index	12	10
Scopus h-index	6	



- **Scopus ID:** 57190857876
- **Google Scholar ID:** <https://scholar.google.com/citations?user=knCBFxsAAAAJ&hl=en>
- **ORCID ID:** 0000-0002-1798-649X
- **Research Gate ID:** 2178774085 (<https://www.researchgate.net/profile/Nur-Ahmad-19>)
- **Publons:** <https://publons.com/researcher/4836185/nur-azfahani-ahmad/>
- **Web of Science Researcher ID:** ABF-3662-2021

(I) ACADEMIC QUALIFICATION

- **PhD in Architecture (2014)** The University of Auckland, New Zealand
Thesis Title: Solar “Kampong”: Community Power Supply for Low-Income Households In Rural Malaysia
- **MSc in Building Services Engineering Management (2004)**, Heriot-Watt University, Scotland
Thesis Title: Building Services Installation Performance in Suspended Ceiling and Raised Floor – For Commercial Buildings
- **Bachelor in Building Surveying (Hons) (2002)**, UiTM, Malaysia
- **Diploma in Building Surveying (2000)**, UiTM, Malaysia

(II) PROFESSIONAL APPOINTMENT/ AFFILIATION/MEMBERSHIP

Professional Affiliations:

- Malaysian Registered Building Surveyor (MyRBS) since 2018 (National)
- Royal Institution of Surveyors Malaysia, Professional Member, Since 2005 (National)
- Association Of Building Engineers UK, Member, 2005 - 2010, (International)
- Member of Malaysian Society for Engineering & Technology (MySET) Since 2011
- Member of Malaysian Green Building Confederation (MGBC) 2021
- Member of Malaysia Green Technology Society (MGTS) 2021

Industry Appointment:

- Member Of Industry Expert Committee (IEC): Sustainability Under Human Resource Development Corporation (HRD Corp), Kementerian Sumber Manusia (Since 2020)

Memberships:

- Member, The University of Auckland Alumni, NZ (since 2015)
- Member, Heriot-Watt University Alumni, UK (since 1/10/2004).
- Member, MARA University of Technology Alumni (since 2001)
- Member, Perak Heritage Society (since 1 Januari 2005).

(III) RESEARCH GRANTS

- Industrial Grant from MGTC (2024) - **Market Study of Green Construction Materials (GCM) Towards Government Green Procurement (GGP) Works Implementation (2024)** - Member
- UiTM Grant Kolaborasi Entiti Penyelidikan Universiti (KEPU) (2023-2024) **The Nexus Utilization of Solar Lighting Technology in Enhancing Safety Level for Orang Asli Community in Perak using Community-Based Approach (CBS) Application** – Project Leader
- UiTM MyRA Grant (2021-2024) - **Defects Liability Management Framework For Residential Projects In Malaysia** – Member
- FRGS – **Sustainable Solar Community Nexus Model in Malaysia** (2018 – 2021) – Project Leader
- FRGS - **Profiling Key Characteristics Malaysian Dwelling Aligned To The Smart Grid System** (2019 – 2022) - Project Member
- FRGS - **Proposed Predictive Machine Learning Models of Reverse Migration in Malaysia** (2020 – 2022) - Project Member
- Geran Khas Insentif Penyelidikan Perak (GKIPP) – **Engaging FELDA Community With Solar Technology During Flood Disaster** (2017) – Project Leader
- Geran Khas Insentif Penyelidikan Perak (GKIPP) - **The Performance Of Various Egg Crate Sun Shading Device Design Configuration In Improving Daylight Penetration In Multi-Storey Student Residential Building** (2018) - Project Member

(IV) SUPERVISORY

a) Main Supervisor – PhD

Bil.	Title	Name	Study	Supervision Timeline
1.	Energy Resilience during Flood Disaster with the aid of Solar Technologies: A Case Study of FELDA's Communities	Siti Jamiah Tun Jamil/UiTM	PhD (AP992)	2016 – 2022 (Passed viva with minor correction)
2.	Adopting Housing Design towards Smart Grid System in Malaysia	Ahmad Haqqi Nazali/UiTM	PhD (AP991)	2018- 2024 (Passed viva with minor correction)
3.	Green Maintenance Management Framework for Public Universities in Malaysia	Zaimah Zainal Abidin	PhD (AP991)	2022 - ongoing
4.	Green Retrofitting for Rural Houses in China	Tian Congxiang	PhD (AP991)	2023 – ongoing (International Student)

b) Main Supervisor - Master

Bil.	Title	Name	Study	Supervision Timeline
1.	Green Electricity: A Feasibility Study of Solar Electrification for PDRM	Md Hafiz Mat Yasin / PDRM	MSc	2015 – 2016 (Graduated on Time)
2.	Optimum Lighting Strategies towards Green Studios in UiTM Perak	Muhammad Anas bin Othman/ UiTM Perak	MSc	2016 – 2019 (Graduated)
3.	Energy Audit for Malaysian Universities: Towards Energy Efficiency Performance in UiTM Tapah	Mohammad Hilmi Dzulkefli/Global FM	MSc	2016 – 2020 (Graduated)
4.	Humidity-based Defect in University's Accommodation	Zaimah Zainal Abidin	MSc	2018-2021 (Graduated)

5.	Solar Lighting Technology for Improving Safety Level at Public Mosque in Perak Tengah	Nur Alia Tasnim	MSc	2023 (Graduate on Time)
6.	Significance House Elements towards Smart Home Appliances Adaptation in Cyberjaya	Ahmad bin Azmin	MSc	2021 - ongoing
7.	The Engagement Level of Orang Asli Communities for Solar Technologies in Achieving Safety for the Community	Sufiyah Ismail	MSc	2023 – 2024 (Graduate on time)

c) Co-Supervisor – PhD

Bil.	Title	Name	Study	Supervision Timeline
1.	Defect Management Model with the Integration of Green Technology	Ahmad Muaz/UiTM	PhD	2020 – ongoing
2.	Non-Technical Barriers for Residential Ownerships in Renewable Energy Projects	Mohammad Bakri/TNB	DBA	2020-ongoing
3.	Sustainable Campus Framework in Malaysia	Nurzalikh Sa'adi	PhD	2024 - ongoing
4.	Model Integrasi Tahfiz Alami	Aariffin	PhD	2024 - ongoing

d) Co-Supervisor – Master

Bil.	Title	Name	Study	Supervision Timeline
1.	The Influence of sun shading devices in reducing solar heat gain	Khairul Azmi bin Mohamed/Politek nik Ipoh	MSc	2017 - 2021 (Graduated)
2.	Energy Performance through BIM Adoption in UiTM Tapah	Ahmad Firdaus	MSc	2018-2022 (Graduated)
3.	Facilities Management for GBI Building with Solar Energy Application	Muhammad Iqbal Abdullah	MSc	2022/2023 (Graduated)
4.	Defects Liability Management Framework For Residential Projects In Malaysia	Najihah Ramli	MSc	2023-2024 (Graduated)

(V) GRANT PROJECTS/CONSULTATIONS/PROFESSIONAL ADVISORY/COMMUNITY

2024

- **CONSULTATION** Kajian Prospek Terhadap Pembangunan Karbon Sifar Bersih Bagi Bangunan Buluh Di Perak, Project Value : RM 39993.80.00, Client : Majlis Bandaraya Ipoh (MBI) (2024-2025)
- **CONSULTATION** Implementation Of Pilot Project For Green Government Procurement Works (Scaling SCP Project TWG 3), Project Value : RM 80950.00, Client : Malaysian Green Technology And Climate Change Corporation (2023-2024)
- **COMMUNITY** Installation of Solar Photovoltaic Panels For Lighting Systems (10 watt to 100 watt system) 16 units - Green Technology Projects for Masjid As-Siddiq, Seri Iskandar, collaboration with Kariah
- **COMMUNITY** Installation of Solar Photovoltaic Panels For Lighting Systems (10 watt to 200 watt system) 25 units - Green Technology Projects for Masjid Asy-Syujaah, Merlimau, Melaka, collaboration with Majlis Daerah Merlimau Utara, UiTM and Kariah

2023

- **CONSULTATION** Implementation Of Pilot Project For Green Government Procurement Works (Scaling SCP Project Twg 3), Project Value: RM 80950.00, Client : Malaysian Green Technology And Climate Change Corporation (2023-2024)
- **COMMUNITY** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) 30 units - Green Technology Projects for Puncak Iskandar Residential Area (Volume 2.0), collaboration with Majlis Daerah Perak Tengah (MDPT), UiTM and Puncak Iskandar Community

- **GRANT PROJECT** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) 15 units - Green Technology Projects for Sek Keb Sg Kiol in Jerantut, Pahang (2023), collaboration with JAKOA Pahang
- **GRANT PROJECT** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) 10 units - Green Technology Projects for Ecotourism Centre in Kg Orang Asli Tonggang, Ulu Kinta, Perak (2023), collaboration with JAKOA Perak

2022

- **PROFESSIONAL ADVISORY** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) 30 units - Green Technology Projects for Puncak Iskandar Residential Area, collaboration with Majlis Daerah Perak Tengah (MDPT), UiTM and Puncak Iskandar Community
- **COMMUNITY** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) 7 units for Sek Men Sultan Muhammad Shah, Parit, Perak

2021

- **GRANT PROJECT** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) 15 units - Green Technology Projects for Sek Keb Chopin in Parit, Perak (2021), collaboration with PPD Perak Tengah
- **COMMUNITY** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) 7 units - Green Technology Projects for Sek Keb Seri Iskandar in Seri Iskandar, Perak (2021), collaboration with PPD Perak Tengah

2020

- **COMMUNITY** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) 2 units - Green Technology Projects for Surau Al-Munawarrah, Puncak Iskandar in Seri Iskandar, Perak (2020)
- **PROFESSIONAL ADVISORY** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) - Green Technology Projects for UiTM Perak Entrance Lake in Seri Iskandar Campus, Perak (2020)

2019

- **GRANT PROJECTS** Installation of Solar Photovoltaic Panels For Lighting Systems (1 kW system) - Green Technology Projects for Maahad Tahfiz Addnin 2 (MTQ-2) in Parit, Perak (2019)
- **GRANT PROJECT** Installation of Solar Photovoltaic Panels for USB Charging Hub and Lighting Systems (600 W system) – For MRSM Lenggong in Perak (2019)
- **PROFESSIONAL ADVISORY** Installation of Solar Photovoltaic Panels for USB Charging Hub and Lighting Systems (600 W system) – For Masjid Bandar University in Seri Iskandar, Perak (2019)

2018

- **COMMUNITY** Installation of Rain Water Harvesting System (RWHS) for Fertigation Farm at MRSM Lenggong in Perak (2018)

2017

- **PROFESSIONAL ADVISORY** Installation of Solar Photovoltaic Panel for USB Charging Point and Lighting System (300 W system) for Bench Area for Library of UiTM Perak (2017)

(VI) INVITED SPEAKER/KEYNOTE SPEAKERS/ADVISORY TEAM/JURY

- **INVITED SPEAKER** - International Seminar On “Alor Setar Liveable City” (23 dan 24 Julai 2024) Organised By Majlis Bandaraya Alor Setar
- **INVITED SPEAKER** - Webinar Series] Affordable Clean Energy - Perspective From Sustainable Development Goals (Tarikh: 23hb April 2022), MALAYSIA GREEN BUILDING COUNCIL (MGBC) Northern Chapter
- **UiTM SPEAKER** – Architecture Lecture Series, Topik: Solar Panels System Design (Tarikh: 11hb Mei 2020) Jabatan Senibina, Fakulti Senibina, Perancangan dan Ukur, UiTM
- **KEYNOTE SPEAKER** - Green Energy Webinar 2020, Topik : Green Technology in Building (Date: 28 August 2020), University College of Technology Sarawak (UCTS)
- **INVITED SPEAKER** – Building Surveying Practices, Topik: Condition Survey Practices and Its Important” (Date: 14 Disember 2020), Universiti Malaysia Perlis.
- **NATIONAL KEYNOTE SPEAKER** – National Conference on Sustainable Cities 2019, Topik : "Establishing Sustainable Cities in Malaysia: A Way Forward" (Date: 28 August 2020), Politeknik Ungku Omar
- **GUEST SPEAKER** – Persidangan Bangunan Nasional 2 (2018): Topik: “*Adopting Green Technologies for Better Building Performance*”, Dewan Bandaraya Kuala Lumpur & Royal Institution Of Surveyors Malaysia (RISM)
- **INVITED PANEL**, Curricular Review, IKM Lumut, Perak, 2018
- **EXPERT TASK FORCE UiGM** UiTM Green Centre, 2021

- **NATIONAL JURY-** The National Building Surveying Award 2021, Royal Institution of Surveyors Malaysia (RISM)

(VII) ACADEMIC RECOGNITIONS

- **Anugerah Pensyarah Aktif (Khidmat Masyarakat)** 2022, Anugerah Akademik Universiti (AAU) 2022, UiTM Perak
- **Anugerah Perkhidmatan Cemerlang** 2022 UiTM Perak
- **Anugerah Staf Wanita Terbaik** UiTM Perak 2022 (Kelab Pensyarah UiTM Perak)
- **Anugerah Pensyarah Aktif (Khidmat Masyarakat)** 2019, Anugerah Akademik Universiti (AAU) 2019, UiTM Perak
- **Anugerah Penyelia Terbaik** 2017, Anugerah Akademik Universiti (AAU) 2017, UiTM Perak
- **Anugerah Akademik Harapan** 2016, Anugerah Akademik Universiti (AAU) 2016, UiTM Perak
- **Anugerah Perkhidmatan Cemerlang** ('Excellent Service Award') 2015 UiTM Perak
- **Anugerah Pensyarah Aktif (Penulisan/Penerbitan)** ('Active Staff Award – Publication'), 2009 UiTM Perak
- **Anugerah Perkhidmatan Cemerlang** ('Excellent Service Award') 2008 UiTM Perak

a. Innovation/Product

Award	Project	Name of Event	Location
Gold Award	BST 103: TECHNICAL DRAWING	The International E-Content Development Competition 2024 (eCONDEV 2024)	iCEPS, Universiti Teknologi MARA (UiTM)
Silver Award	E-Solar	JIIICAS 2024	UiTM Johor
Gold Award	BSR551 Energy Performance Calculator	INNOVATORS 2022	UiTM Tapah
Silver Award	SOLAR CHARGING HUB FOR RURAL COMMUNITY APPLICATION (SCHROMA)	INDEX 2021	USM
Silver Award	GRE711 – Research Methodology	e-Content Development Competition 2021	UiTM
The Best In Invention Category For Class A (Professional, Academic & Industry)	COMMUNITY SOLAR CHARGING HUB @ MOSQUE	INDES 2020	UiTM Perak
Gold Medal Award	COMMUNITY SOLAR CHARGING HUB @ MOSQUE	INDES 2020	UiTM Perak
Gold Medal Award	Solar Project Engagement	EPIC 2018	UiTM Terengganu
Gold Medal Award	Solar Charging Hub	INDES 2016	UiTM Perak
Gold Medal Award	Ventilation Flow System	INDES 2015, June 2015	UiTM Perak
Gold Medal Award	CVRS - Cross Ventilation Ranking System For Houses in Tropical Countries	Invention, Innovation and Design Exhibition 2010 (IID 7 th), 14 th January 2010	UiTM Malaysia
Best of the Best Award, Gold Medal Award, Best Poster Award	SRPS Software - Ranking System: The Effectiveness Of Cross-Ventilation For Tropical Residential Housing	Research, Invention and Innovation Expo 2009, 14 th October 2009,	UiTM Perak, Malaysia.

Silver Medal Award	Ventilation Flow Evaluation System	i-EIE 2019, Eureka Innovation Exhibition, October 2019	UNIKL-Malaysian Spanish Institute, Kulim, Kedah
Silver Medal Award	<i>Cross Ventilation Ranking System For Houses in Tropical Countries</i>	Malaysia Technology Exhibition 2010 (MTE 2010), 25 th - 27 th February 2010,	PWTC Kuala Lumpur
Silver Medal Award	Ventilation Flow System	i-IDEA 2016, Mac 2016	UiTM Perlis
Bronze Medal Award	University Solar Chargung Hub (U-Hub),	IIID Johor 2018, 5 Aug 2018	UiTM Johor
Bronze Medal Award	Manual Daylighting Design Template (MDDT): Passive Lighting Strategies	ICDC 18, Oct 2018	UiTM Perak
Bronze Medal Award	E-Inventory for Design Based Project	Teaching and Learning Innovation Challenge 2015	UiTM Perak Kampus Tapah

b. Paper/Presentation Awards

Best Presenter Award

ACHIEVING SUSTAINABLE ENERGY SOLUTION FOR MOSQUES IN PERAK THROUGH MICRO-SCALE SOLAR TECHNOLOGIES: A COMMUNITY-BASED APPROACH (CBA)
Nur Azfahani Ahmad, in I.CSR 2024, UiTM Kedah

Best Presenter Award

EMPOWERING A MOSQUE COMMUNITY IN MELAKA WITH SOLAR LIGHTING TECHNOLOGIES APPLICATION: A COMMUNITY-BASED APPROACH
Nur Azfahani Ahmad, in 3rd International Conference of KONSEP 2024, UiTM Perlis.

Best Paper Award

EMPOWERING A MOSQUE COMMUNITY IN MELAKA WITH SOLAR LIGHTING TECHNOLOGIES APPLICATION: A COMMUNITY-BASED APPROACH
Nur Azfahani Ahmad, Mohd Khazli Aswad Khalid, Norhazlan Haron, & Norhafiz Haron in 3rd International Conference of KONSEP 2024 Conference. UiTM Perlis.

Best Paper Award (Category: Architecture), Nur Azfahani Ahmad & Hugh Byrd (2011), Solar Photovoltaics for Vernacular Housing in Rural Malaysia: Towards Energy Security and Equitability of Low-Income Groups, *Rehumanizing the Built Environment Proceedings (Vol 1)*, The 5th International Conference and Workshop on Built Environment in Developing Countries (6-7 Dec 2011), Penang, Malaysia

Best Paper Award, Nurul Diyana Dahari & Nur Azfahani Ahmad (2011), Carbon Footprint Implementation in Facilities Management: Towards Cost Efficiency For Building, Undergraduate Maintenance and Facilities Management Conference 2011, Seri Iskandar, Perak, pp 7

Best Paper Award (Conceptual/Review Paper for Science and Technology), Nur Azfahani Ahmad & Hugh Byrd (2012), Photovoltaics In Malaysia: Challenges And Strategies Towards Resilient Rural Areas In Malaysia, International Malaysia Research Conference in Auckland (iMaRCA) 2012, Auckland, New Zealand

Best Presenter Award, Nur Azfahani Ahmad, Solar Village in Malaysia – A Route Map for Financing Mechanism, The 5th International Building Control Conference (IBCC 2016), Kuala Lumpur

c. Poster Awards

Special Prizes Contribution to Environmental Sustainability Prize (2012), Nur Azfahani Ahmad, Hugh Byrd & Paola Leardini, Exposure Postgraduate Research Exposition (October 2012), The University of Auckland, New Zealand

(VIII) PUBLICATIONS

a. Book

Nur Azfahani Ahmad, Rasidah Mohd Sakip (Eds)(2022), Green Initiatives Report – Green Movement in UiTM Perak (2020-2021), 978-967-2776-0-9-3, (Published 2022), UiTM Perak Press (<https://online.fliphtml5.com/vrhmq/zhfi/#p=1>)

Nur Azfahani Ahmad (2009), Building Services Installation in Suspended Ceiling and Raised Floor – For Commercial Buildings, VDM Verlag, Germany, Published May 2009 [ISBN 987-639-13758-3]

b. Journals

SCOPUS AND WOS (SINCE 2017)

ESTABLISHING ENERGY-EFFICIENT RETROFITTING STRATEGIES IN RURAL HOUSING IN CHINA: A SYSTEMATIC REVIEW

[Tian, C.](#), [Ahmad, N.A.](#), [Abd Rased, A.N.N.W.](#), [Wang, S.](#), [Tian, H.](#)
Results in Engineering, 2024, 24, 103653

MACHINE LEARNING IN REVERSE MIGRATION CLASSIFICATION

[Mohd Hussain, N.H.](#), [Anuar, A.](#), [Masrom, S.](#), ... [Ahmad, N.A.](#), [Byrd, H.](#)
Journal of Advanced Research in Applied Sciences and Engineering Technology, 2024, 38(2), pp. 45–55

EVALUATING THE IMPACT OF DESIGN FAILURE ON THE PERAK TENGAH DISTRICT MOSQUE, PERAK, MALAYSIA

[Khalid, M.K.A.](#), [Zawawi, Z.A.](#), [Ahmad, N.A.](#), [Zahari, N.F.](#), [Hashim, H.](#)
Planning Malaysia, 2024, 22(6), pp. 207–221

UNVEILING THE NATURE OF DEFECTS OCCURRENCES IN CONSTRUCTION PROJECTS

[Rahimin, N.](#), [Isa, H.M.](#), [Mohd, T.](#), [Ahmad, N.A.](#)
Malaysian Construction Research Journal, 2024, 22(2 Special Issue), pp. 31–46

ESTABLISHING A SUSTAINABLE SOLAR ENERGY COMMUNITY IN THE MALAYSIAN RURAL ENERGY LANDSCAPE: A CASE STUDY OF PERAK TENGAH, MALAYSIA

[Ahmad, N.A.](#), [Hussain, N.H.M.](#), [Osman, A.T.](#), [Rahim, F.A.](#)
Planning Malaysia, 2024, 22(2), pp. 131–142

CYBERSECURITY VULNERABILITIES IN SMART GRIDS WITH SOLAR PHOTOVOLTAIC: A THREAT MODELLING AND RISK ASSESSMENT APPROACH

[Rahim, F.A.](#), [Ahmad, N.A.](#), [Magalingam, P.](#), ... [Cob, Z.C.](#), [Salahudin, L.](#)
International Journal of Sustainable Construction Engineering and Technology, 2023, 14(3), pp. 210–220

ASSESSING THE ENERGY PERFORMANCE OF PUBLIC UNIVERSITY IN MALAYSIA BY USING ENERGY CONSERVATION MEASURE (ECM): A CASE STUDY OF UITM TAPAH, MALAYSIA

[Ahmad, N.A.](#), [Dzulkefli, M.H.](#), [Rahim, F.A.](#)
International Journal of Sustainable Construction Engineering and Technology, 2023, 14(3), pp. 309–319

DEVELOPMENT OF DESIGN OPTIMIZATION FOR SMART GRID (DOFSG) FRAMEWORK FOR RESIDENTIAL ENERGY EFFICIENCY VIA FUZZY DELPHI METHOD (FDM) APPROACH

[Razak, A.H.N.A.](#), [Ahmad, N.A.](#), [Leardini, P.](#)
International Journal of Sustainable Construction Engineering and Technology, 2023, 14(3), pp. 21–39

SMART GRID COMPONENTS FOR RESIDENTIAL DESIGN APPLICATION TOWARDS ENERGY CONSERVATION: A REVIEW

[Razak, A.H.N.A.](#), [Ahmad, N.A.](#), [Ibrahim, C.K.I.C.](#), [Kadir, E.A.](#), [Leardini, P.](#)
Journal of Engineering Science and Technology, 2022, 17, pp. 237–251

THE ASSESMENT OF SIGNIFICANT PASSIVE DAYLIGHTING STRATEGIES IN EDUCATIONAL STUDIO (ES) OF UNIVERSITY BUILDINGS

Othman, M.A., Ahmad, N.A., Haron, S.N., Jaafar, A.S.
Malaysian Construction Research Journal, 2022, 16(2), pp. 29–44

THE NEXUS OF GREEN STRATEGIES IN ASCERTAINING SUSTAINABLE PRIVATE TAHFIZ INSTITUTIONS IN MALAYSIA: A PROPOSED MODEL

Anas, N., Ahmad, N.A., Hussain, N.H.M., Ahmad, A.C., Yaacob, Z.
International Journal of Advanced and Applied Sciences (IJAAS), 2020, 7(11), pp. 119–124

A CASE STUDY ON THE POTENTIAL PHOTOVOLTAIC APPLICATIONS IN LANGKAWI ISLAND

Ahmad, N.A., Salleh, A.A., Tun Jamil, S.J.
Journal of Sustainability Science and Management, 2019, 14(3), pp. 35–42

A REVIEW ON ENERGY PERFORMANCE IN MALAYSIAN UNIVERSITIES THROUGH BUILDING INFORMATION MODELLING (BIM) ADAPTATION

Latif, A.F., Ahmad, N.A., Abdullah, M.R., Ismail, A., Ghani, A.A.A.
IOP Conference Series: Earth and Environmental Science, 2019, 291(1), 012033

CONNECTING SOLAR GENERATED ELECTRICITY DURING FLOOD DISASTER IN THE FELDA COMMUNITIES OF MALAYSIA: THE PUBLIC PERCEPTION

Jamil, S.J.T., Ahmad, N.A., Jamian, J.J.
IOP Conference Series: Earth and Environmental Science, 2019, 291(1), 012035

A SIMULATION METHODOLOGY ON GRID DISPLACED PHOTOVOLTAIC (PV) PROSPECTIVE FOR EXISTING TERRACE HOUSE SUPPLY IN MALAYSIAN PENINSULAR

Abdul-Razak, A.H.N., Ahmad, N.A., Ahmad, S.S., Haron, S.N., Ermeey, A.K.
IOP Conference Series: Earth and Environmental Science, 2019, 291(1), 012030

ESTABLISHING SOLAR VILLAGE COMMUNITIES IN MALAYSIA TOWARDS A SELF-SUFFICIENT ELECTRICITY LIFESTYLE: THE FEASIBILITY STUDY

Ahmad, N.A., Ahmad, A.C., Byrd, H., Hussain, N.H.
International Journal of Innovative Technology and Exploring Engineering, 2019, 8(5s), pp. 277–281

SUSTAINABLE DESIGN AND CONSTRUCTION ACTIVITY AS ELEMENT FOR GREEN HIGHWAYS IN TROPICAL CLIMATE.

Che Ahmad, A., Husin, N., Farrita Mohd Kamar, I., & Azfahani Ahmad, N. (2018). International Journal of Engineering & Technology (IJET), 8(1.5), 49-56. doi:http://dx.doi.org/10.14419/ijet.v8i1.5.25018

DAYLIGHT STRATEGIES FOR ARCHITECTURAL STUDIO FACILITIES: THE LITERATURE REVIEW

Anas Bin Othman, M., Ahmad, N.A., Md Ajis, A.
IOP Conference Series: Earth and Environmental Science, 2017, 67(1), 012025

SOLAR PUBLIC ENGAGEMENT: THE PROSPECTIVE STUDY ON FELDA COMMUNITY IN MALAYSIA

Tun Jamil, S.J., Ahmad, N.A.
IOP Conference Series: Earth and Environmental Science, 2017, 67(1), 012026

MYCITE AND OTHER PUBLICATIONS (SINCE 2016)

THE PROSPECTIVE ANALYSIS OF SOLAR LIGHTING TECHNOLOGY IN ENHANCING ENERGY SUSTAINABILITY FOR THE SAFETY OF MOSQUE IN MALAYSIA

Nur Azfahani Ahmad^{1*}, Nur Alia Tasnim Mat Zain², Siti Jamiah Tun Jamil¹, Nurul Fadzila Zahari (2025)
Asian Scholar Network (ASNET)

ACHIEVING SUSTAINABLE ENERGY SOLUTION FOR MOSQUES IN PERAK THROUGH MICRO-SCALE SOLAR TECHNOLOGIES: A COMMUNITY-BASED APPROACH (CBA)

Nur Azfahani Ahmad, Mohd Khazli Aswad Khalid, Wan Samsul Zamani Wan Hamdan, Hamdi Rahman Mohd Yaacob, Nur Sufiyah Ismail.
Journal of Islamic, Social, Economics and Development (JISED), eISSN: 0128-1755

THE BUILDING ENERGY INDEX (BEI) EVALUATION FOR LIBRARIES IN MALAYSIAN PUBLIC UNIVERSITIES: A CASE STUDY OF UITM PERAK

Irman Dzauddin Mohamad Hakimi, Nur Azfahani Ahmad, Zaimah Zainal Abidin, Siti Jamiah Tun Jamil
International Journal of Business and Technology Management, [S.I.], v. 6, n. S2, p. 329-343, nov. 2024. ISSN 2682-7646. Available at: <<https://myjms.mohe.gov.my/index.php/ijbtm/article/view/27941>>.

SIGNIFICANT SOLUTIONS IN MINIMISING CONSTRUCTION DEFECTS OCCURRENCE DURING DEFECT LIABILITY PERIOD (DLP) FOR RESIDENTIAL PROJECTS IN KUALA TERENGGANU

Rahimin, Najihah and Mohd Isa, Haryati and Mohd, Thuraiya and Ahmad, Nur Azfahani (2024)
Malaysian Journal of Sustainable Environment (MySE), 11 (3). pp. 195-218. ISSN 0128-326X

EMPOWERING A MOSQUE COMMUNITY IN MELAKA WITH SOLAR LIGHTING TECHNOLOGIES APPLICATION: A COMMUNITY-BASED APPROACH

Nur Azfahani Ahmad, Mohd Khazli Aswad Khalid, Norhazlan Haron, & Norhafiz Haron.
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(IX) PRESENTATIONS

a. Paper Presentation

Literature Review on Vandalism in Low Cost Flats, Conference on Scientific and Social Research, 14 - 15 Mac 2009

The Effectiveness of Cross Ventilation For Housing in Malaysia: By The Application of 'VelociCalc Plus Meter' and Ventilation Equations, Conference on Scientific and Social Research, 14 - 15 Mac 2009

The Effectiveness of Cross Ventilation in Traditional Malay Houses and Modern Houses, Built Environment Research Seminar UiTM Perak 2008, 4 Dec 2008. Universiti Teknologi Mara Perak.

The Development of Timber Defects Prioritise Ranking System, One Day Seminar on Conservation of Historic Buildings and Monuments, Universiti Malaya, Hotel Nikko, 2007, Kuala Lumpur

Keberkesanan Pengudaraan Semulajadi Bagi Dalam Rumah – Kajian Impak Ke Atas Telapak Naning (The Effectiveness of Natural Ventilation for Internal of House – Impact Study on Telapak Naning, Melaka), Seminar Kontemporari Negeri Perak Ke-14, UiTM Perak, 23 Oktober 2009, Perak

The Effectiveness Of Cross Ventilation for Traditional Malay Houses In Malaysia: Case Study Of 'Kutai' House In Perak, International Conference on Engineering, Environment, Economic, Safety and Health (CONVEEESH '09), Manado, Sulawesi, Indonesia, 26- 27th October 2009

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b. Poster Presentation

Vandalism Analysis At Low Cost Flat Housing In Kuala Lumpur, One Day Seminar on Knowledge Sharing in Construction Industry, Faculty of Architecture, Planning and Surveying, UiTM Shah Alam, Malaysia (4th August 2009)

Solar Photovoltaics For Low-Income Groups: Towards Diminishing Inequality Power Supplies For South East Asia, Nur Azfahani Ahmad, Hugh Byrd & Paola Leardini, Exposure Postgraduate Research Exposition (October 2012), The University of Auckland, New Zealand

Energy And Equity In Malaysia: The Potential Of Distributed Renewable Energy For Low-Incomegroups In Rural Malaysia, Nur Azfahani Ahmad & Hugh Byrd, World Urban Forum 6 UN-Habitat, *Networking Event: Coasts, cities and climate change in small island developing states in the Pacific - problems to be addressed* (3rd Sept 2012), Naples, Italy.

Solar Photovoltaics For Low-Income Groups: Towards Diminishing Inequality Power Supplies For South East Asia, Nur Azfahani Ahmad, Hugh Byrd & Paola Leardini, International Malaysia Research Conference in Auckland (iMaRCA) 2012, Auckland, New Zealand (7th Dec 2012)

Power From The People, Nur Azfahani Ahmad & Hugh Byrd, Graduate Research Conference U21 (Systems, Policy & Solutions), University College Dublin 2013, Dublin, Ireland (19-22 June 2013)

(X) UNDERGRADUATE SUPERVISION**Supervision – Undergraduate Thesis**

Semester/Year	Student's Name	Research Title
Mac-Sept 2015	Mohd Ariffin Ahmad	Rainwater Harvesting for Mosque in Kuala Lumpur
Mac-Sept 2015	Mohammad Ali bin Abdullah	Night Ventilation for Passive Indoor Cooling in Residential Houses
Jan – July 2017	Nur Sahida binti Abdul Rahman	Day lighting Strategies for Green Classroom in UiTM Perak
Apr 2017 – Jan 2018	Muhammad Afiq Aiman bin Mohd Ghazali	Assessing the feasibility of Rain Water Harvesting technology for UiTM Perak
Sept 2017 – Jun 2018	Muhammad Amirul Asraf bin Mohd Nordin	Prospective Study on the low cost integrated RWH system for mosque in Perak Tengah
Jun 2018 – Jan 2019	Aliah Tasnim	Rising Damp Defect in University's Accommodation
Jan 2019 – Kini	Nur Hamizah Suhaimi	Awareness towards Rainwater Harvesting Installation for flood area in Kelantan
Nov 2020 - Oct 2021	Muhammad Iqbal Abdullah	The assessment on sustainable operation and procedure for rural road maintenance in Tanjung Malim: With the provision of JKR. Green Criteria
Nov 2020 - Oct 2021	Nurul Aqeesya Binti Abdul Aziz	The Explanatory Study on Natural Ventilation Provisions for Terrace Houses in Kelantan: With The Adoption of UBBL
Nov 2020 - Oct 2021	Mohd Iqbal Khan	The study on green edible garden towards establishing sustainable communities in Perak
October 21 - February 22	Nurul Najwa binti Ismail	A comparative study on energy saving implementation between heritage mosque and modern mosque in Penang.

(XI) MOU/SPECIAL PROJECT

- Pengarah Projek, Penanda Aras Universiti Lestari Peringkat Antarabangsa UI Greenmetric (UIGM) di Chulalongkorn University, Bangkok, Thailand (6 – 10 Julai 2024)
- Pengarah Projek, Penanda Aras Universiti Lestari Peringkat Antarabangsa UI Greenmetric (UIGM) di Thammasat University, Rangsit, Thailand (6 – 10 Julai 2024)
- Thesis Examiner (PhD) UiTM - Siti Noorfairus Binti Che Abdullah (AP 991), April 2024
- Thesis Examiner (MSc) University Malaya – Nur Dinie Afiqah (Ijazah Sarjana Alam Bina Penyelidikan), Ogos 2024 – 8 Januari 2025
- Thesis Examiner (MSc) University Malaya - SITI AZURAH BINTI MOHD GHAZALI (Ijazah Sarjana Alam Bina Penyelidikan), 6 Oktober 2023
- Thesis Examiner (PhD) USM, 14 Ogos 2023
- Pakar Rujuk, Pelan Strategik Kelestarian Kampus Hijau 2022-2025, UiTM Green Centre
- Pementoran Geran Penyelidikan UiTM Perak (2023-2024)